



Further INTEGRAL observations of the transient X-ray burster EXO 1745-248

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Referred to by ATel #: [2929](#), [2932](#), [2933](#), [2939](#), [2940](#), [2946](#), [2952](#), [2958](#), [2974](#), [3000](#), [3044](#)

INTEGRAL performed further observations as part of the Galactic Bulge monitoring program (see ATel #[438](#)) on 2010 October 11 between (UTC) 02:25 and 06:07. The X-ray source in outburst in the direction of the globular cluster Terzan 5, EXO 1745-248 (ATels #[2919](#), #[2920](#) and #[2922](#)), is detected with both JEM-X 1&2, and with IBIS/ISGRI.

A re-analysis of the observations performed on 2010 October 10 from (UTC) 08:45 to 12:26 (ATel #[2919](#)), shows that the source was detected in the JEM-X monitor at a position (RA=267.023, DEC=-24.781, with a 90% confidence error of 1 arcmin) consistent with the known X-ray burster EXO 1745-248 (Heinke et al. 2003, ApJ, 590, 809). At that time the flux was 9 +/- 5 mCrab (3-10 keV) and 33 +/- 9 mCrab (10-25 keV). The observations on October 11 shows that within a day the flux has increased to 34 +/- 7 mCrab (3-10 keV), 49 +/- 4 mCrab (10-25 keV), 52 +/- 2 mCrab (18-40 keV), and 49 +/- 5 mCrab (40-100 keV).

We detected one type I X-ray burst, on 2010 October 11 06:27, which lasted for about 20 sec. This strengthens EXO 1745-248 to be in outburst, as it is a known (transient) X-ray burster.

[*INTEGRAL Galactic Bulge monitoring program*](#)